

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Edmond J. FitzGibbon M.D.	POSITION TITLE Medical Officer		
eRA COMMONS USER NAME (credential, e.g., agency login)			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Cornell University, Ithaca, NY	BA	1974	Physics
Albany Medical College, Albany, NY	MD	1978	medicine
Albany Medical College, Albany, NY		1979	internship
Cleveland Clinic Foundation, Cleveland, OH		1983	ophthalmology
Cleveland Clinic Foundation, Cleveland, OH		1984	retina fellow
LSR, NEI, NIH Bethesda MD		1990	Neuroophthalmology

Please refer to the application instructions in order to complete sections A, B, and C of the Biographical Sketch.

A. Personal Statement.

Interested in neuro-ophthalmic disorders and research in eye movements. Collaborating on clinical research on McCune Albright syndrome, NF1, NF2, Moebius syndrome, CADASIL and the undiagnosed disease program.

B. Positions and Honors. List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

1984 to Present: Laboratory of Sensorimotor Research, National Eye Institute, NIH
Started as a senior staff fellow in 1984 with Dr. Michael Goldberg doing neurophysiology in rhesus monkeys in the LSR, NEI. Joined the staff in 1990. Currently pursuing research in humans with neuro-ophthalmic diseases and basic research using eye movements to give information about disease states and about the human motion vision system. Currently president-elect of the North American Neuro-ophthalmology society (NANOS).

C. Selected peer-reviewed publications (in chronological order). Do not include publications submitted or in preparation. For publicly available citations, URLs or PMC submission identification numbers may accompany the full reference; copies of publicly available publications are not accepted as appendix material.

Spatial summation properties of the human ocular following response (OFR): dependence upon the spatial frequency of the stimulus.

Sheliga BM, Quaia C, Cumming BG, **Fitzgibbon EJ**.

Vision Res. 2012 Sep 1;68:1-13. doi: 10.1016/j.visres.2012.07.006. Epub 2012 Jul 20.

Ocular following in humans: spatial properties.

Quaia C, Sheliga BM, **Fitzgibbon EJ**, Optican LM.

J Vis. 2012 Apr 20;12(4). doi:p11. 10.1167/12.4.13

Surgery versus watchful waiting in patients with craniofacial fibrous dysplasia--a meta-analysis.

Amit M, Collins MT, **FitzGibbon EJ**, Butman JA, Fliss DM, Gil Z.

PLoS One. 2011;6(9):e25179. doi: 10.1371/journal.pone.0025179. Epub 2011 Sep 23.

OrbitView: Eye movement visualization software.

Hong S, Optican LM, **Fitzgibbon EJ**, Zee DS, Shaikh AG.

J Neurosci Methods. 2011 Sep 15;200(2):181-4. doi: 10.1016/j.jneumeth.2011.06.002. Epub 2011 Jun 13.

The saccadic and neurological deficits in type 3 Gaucher disease.

Benko W, Ries M, Wiggs EA, Brady RO, Schiffmann R, **Fitzgibbon EJ**.

PLoS One. 2011;6(7):e22410. doi: 10.1371/journal.pone.0022410. Epub 2011 Jul 20.

Amplitudes and directions of individual saccades can be adjusted by corollary discharge.

Joiner WM, **Fitzgibbon EJ**, Wurtz RH.

J Vis. 2010 Feb 23;10(2):22.1-12. doi: 10.1167/10.2.22.

The initial torsional Ocular Following Response (tOFR) in humans: a response to the total motion energy in the stimulus?

Sheliga BM, **Fitzgibbon EJ**, Miles FA.

J Vis. 2009 Nov 9;9(12):2.1-38. doi: 10.1167/9.12.2.

Randomized, controlled trial of miglustat in Gaucher's disease type 3.

Schiffmann R, **Fitzgibbon EJ**, Harris C, DeVile C, Davies EH, Abel L, van Schaik IN, Benko W, Timmons M, Ries M, Vellodi A.

Ann Neurol. 2008 Nov;64(5):514-22. doi: 10.1002/ana.21491.

The vergence eye movements induced by radial optic flow: some fundamental properties of the underlying local-motion detectors.

Kodaka Y, Sheliga BM, **FitzGibbon EJ**, Miles FA.

Vision Res. 2007 Sep;47(20):2637-60. Epub 2007 Aug 15.

D. Research Support. List selected ongoing or completed (during the last three years) research projects (federal and non-federal support). Begin with the projects that are most relevant to the research proposed in this application. Briefly indicate the overall goals of the projects and your role (e.g. PI, Co-Investigator, Consultant) in the research project. Do not list award amounts or percent effort in projects.

All research support has been at NIH as part of the intramural staff.